

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



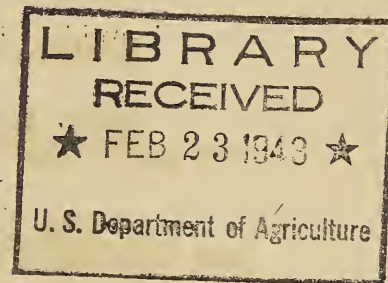
1.942  
V32L54

Cop. 2

UNITED STATES DEPARTMENT OF AGRICULTURE  
U.S. Agricultural Marketing Administration  
Washington, D. C.

1.942  
V32L54

UNITED STATES STANDARDS  
for  
LENTILS



The following standards for use in the grading and marketing of lentils are recommended by the Agricultural Marketing Administration, United States Department of Agriculture. They are the result of studies and preliminary investigations of the lentils industry and of suggestions received from persons experienced in producing, marketing, and grading this commodity. The adoption and use of these standards by all agencies engaged in handling lentils should promote uniform grading and facilitate the marketing of this commodity.

/s/

C. W. Kitchen

November 13, 1942

Associate Administrator

## UNITED STATES STANDARDS FOR LENTILS 1/

For the purposes of the U. S. Standards for Lentils:

Lentils. Lentils shall be dry threshed seeds of the lentil plant, which consist of 50 percent or more of whole seeds (which are not split) of lentils.

### Classes

Lentils shall be divided into four classes as follows:

Large Lentils. This class shall include lentils of which not more than 2 percent will pass readily through a No. 15 sieve.

Medium Lentils. This class shall include lentils of which not less than 80 percent will pass through a No. 15 sieve and not more than 2 percent will pass through a No. 12 sieve.

Small Lentils. This class shall include lentils of which not less than 100 percent will pass through a No. 15 sieve, not less than 80 percent will pass through a No. 12 sieve, and not more than 2 percent will pass through a No. 9 sieve.

Mixed Lentils. This class shall include lentils which do not meet the size requirements for any of the classes Large Lentils, Medium Lentils, or Small Lentils.

### GRADES

Lentils shall be graded and designated according to the respective grade requirements of their appropriate class and according to the special grades when applicable.

Grade Designations. The grade designation shall include successively the letters "U. S.," the number or name of the applicable grade, the name of the class, and such additional statements as may be required by these standards.

---

1/ The specifications of these standards shall not excuse failure to comply with the provisions of the Federal Food, Drug and Cosmetic Act.

Grade Designation for U. S. Substandard Lentils. The grade designation for lentils of the grade "U. S. Substandard" of any class shall include successively, in the order named:

- (1) The letters "U. S.";
- (2) The word "Substandard";
- (3) The name of the class;
- (4) The words "sound lentils," followed by a statement of the percentage thereof;
- (5) The word "defects," followed by a statement of the percentage thereof; and
- (6) Such special grades as may be applicable.

Grade Designation for U. S. Sample Grade Lentils. The grade designation for lentils of the grade "U. S. Sample Grade" of any class shall include successively, in the order named:

- (1) The letters "U. S.";
- (2) The words "Sample Grade";
- (3) The name of the class; and
- (4) Such special grades as may be applicable.

FEB 23 1943



GRADE REQUIREMENTS FOR THE CLASSES LARGE LENTILS, MEDIUM LENTILS, SMALL LENTILS, AND MIXED LENTILS

Grade	Maximum limits of -		
	Defects consisting of splits, damaged lentils, and foreign material		
	Total	Foreign material	
	defects	Total	Stones
	%	%	%
U. S. No. 1	2.0	0.2	Trace
U. S. No. 2	4.0	0.5	0.2
U. S. Substandard	U. S. Substandard shall include lentils of any one of these classes which do not come within the requirements of the specifications for the grade U. S. No. 1, or U. S. No.2, or for the grade U. S. Sample Grade.		
U. S. Sample Grade	U. S. Sample Grade shall include lentils of any one of these classes which are musty, or sour, or heating, or hot, or weevily, or materially weathered, or which have any commercially objectionable odor, or which are otherwise of distinctly low quality.		

## SPECIAL GRADES FOR LENTILS

### High Moisture Lentils

Definition. High moisture lentils shall be lentils of any class which contain more than 16 percent of moisture.

Grades and grade designations. High moisture lentils shall be graded and designated according to the grade requirements of the standards otherwise applicable to such lentils and there shall be added to, and made a part of, the grade designation, following the name of the class the word "moisture" followed by a statement of the percentage thereof in terms of whole percent and half percent. A fraction of a percent when equal to or greater than one-half shall be stated as one-half, and when less than one-half shall be disregarded.

### Off-Color Lentils

Definition. Off-color lentils shall be lentils of any class that, en masse, are distinctly off-color due to age or to any other natural cause but which are not materially weathered.

Grades and grade designations. Off-color lentils shall be graded and designated according to the grade requirements of the standards applicable to such lentils if they were not off-color, and there shall be added to, and made a part of, the grade designation, following the name of the class, the word "off-color."

## DEFINITIONS

Basis of grade determinations. The determination of moisture shall be upon the basis of the lentils when free from that portion of foreign material which can be removed readily by the use of appropriate sieves or cleaning devices. The determination of "off-color" shall be upon the basis of the lentils after the removal of defects. All other determinations shall be upon the basis of the lentils as a whole.

Percentage. Percentages, except in the case of moisture, shall be percentages ascertained by weight.

Percentage of moisture. Percentage of moisture shall be that ascertained by the air oven and the method of use thereof described in Service and Regulatory Announcements No. 147 of the Agricultural Marketing Service of the United States Department of Agriculture, or that ascertained by any device and method which give equivalent results.

Sound Lentils. Sound lentils shall be lentils which are free from defects.

Defects. Defects shall include splits, damaged lentils, and foreign material.

Splits. Splits shall be pieces of lentils which are not damaged and which consist of three-fourths or less of the whole lentils and shall include lentils the halves of which are held together loosely.

Damaged lentils. Damaged lentils shall be lentils and pieces of lentils which are damaged by frost, weather, disease, insects, or other causes.

Foreign material. Foreign material shall include stones, dirt, weed seeds, cereal grains, and all matter other than lentils.

Stones. Stones shall be rocks, stones, pebbles, shale, other concreted earthy matter, or other substances of similar composition and hardness that do not disintegrate in water.

Weevily lentils. Weevily lentils shall be lentils which are infested with weevils or other insects, or the larvae thereof, injurious to stored lentils or which contain lentils that have been damaged by such weevil or insects.

No. 15 sieve. A metal sieve perforated with round holes  $15/64$  inch in diameter.

No. 12 sieve. A metal sieve perforated with round holes  $12/64$  inch in diameter.

No. 9 sieve. A metal sieve perforated with round holes  $9/64$  inch in diameter.